

Fig.2.

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### Fig.2 (Cont).

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GGATACCAAAGTACTGAAGACTCGTGGTCATATATAGTGCCTTCCTACTTCCTCTAGCCTAGTAACAGAAACTCCCCCTTTGGAACAAAAACATAACTTGAAAGTAACTGAACTGATTGTCC  A Y G F H T S E H O Y I S R K D E G D R I I V F E R G N L V F V F N F H W T N S  ATTCAGATTACCGAGTTGGCTGCTTCAAGTCAGGAAAGTACAAGATTGTTTTGGACTCGGATGATGGCTTGTTTGGAGGCTTCAACAGGCTTAACAGGCTTGAACTGGCAGCACTTCACCTTT  TAAGTCTAATGGCTCAACCGACGAAGTTCAGTCCTTTCATGTTCTAACAAAACCTGAGCCTACTACCGAAGAACCTCCGAAGTTGTCCGAATTGACCGAACTTGTCCGGAACTTGTCGTGAACTGGAAAA  Y S D Y R V G C F K S G K Y K I V L D S D D G L F G G F N R L S H D A E H F T F  ACGGGTGGTATGATAACCGGCCTCGGTCCTTCATGGTATATGCACCATCTAAGGACAGCAGTGGTCCATGCTTTAGTAGAAGATGAAGAAGAAGAAGAAGAAACTTTCACTTCTTCTTTCT	1 P	G	N	N	Н	5	Y	D	K	С	R	R	R	F	D	L	G	Đ	A	D	Y	L	R	Y	н	G	M	O	Ε	F	D	Q	A	м	Q	н	L	Ε	£
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TAAGTETAATGGETCAACCGACGAAGTTCAGTCETTTCATGTTCTAACAAAACCTGAGCCTACTACCGAACAACCTCCGAAGTTGTCCGAATCAGTACTACGGCTCGTGAAGTGGAAAA Y S D Y R V G C F K S G K Y K I V L D S D D G L F G G F N R L S H D A E H F T F  ACGGGTGGTATGATAACCGGCCTCGGTCCTTCATGGTATATGCACCCATCTAGGACAGCAGTGGTCCATGCTTTAGTAGAAGATGAAGCAGAGAATGAAGCAGAGAATGAAGTGAAAGTGAA  TGCCCCACCATACTATTGGCCGGAGCCAGGAAGTACCATATACGTGGTAGATCCTGTCGTCACCAGGTACGAAATCATCTCTCTTTACTTCGTCTCTTACTTCACTTTCACTT  D G W Y D N R P R S F H V Y A P S R T A V V H A L V E D E E N E A E N E V E S E  Bamh I Hine II  TGAAACCAGCCTCCGGCTGAGATAGATATTTAGTAAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGTGCATCTAGAACGACGTATATTGAGACTTGAACTTGAACTTAAACTAAACGACGAGT  ACTTTGGTCGGAGGCCGACCTCTATCTATAAATCATTCCCCTAGGGGATTTCGTCCTTACCAAATTGGACCTGGCACCTGGCATATAACTCTGAACTTAAACTAAAACGACGAGT  V K P A S G  SSp I  NSI Nde I  SACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACCGCCATAATGCATGATCATATGAAAGCTCCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACCTCTGTAAATTATAG  CTGTGTCTTTATAATTCCAAGGCTCAAGGCAGAGATACACCGCCATAATGCATGAACATTTCGAAGCTCCCCAACTTTGTAAATCATTTAGCAAGCTGCGTGCACCTCTGTAAATTATAG  SCG I  NCO I  GTACCTTTGGCAAGTCACGTTATTATTGGATACCATGGATGTCCGCTAGGAAAAATTTTGTGTATACCGCCTACTAGGATTTTTAAATCTCCGCATGTTCCACATAAAGTGGTGGTTGGATG  GTACCTTTGGCAAGTCACGTTATTATTGGATACCATGGATGTCCGCTAGGAAAAATTTTGTGTATACCGCCTACTAGGATTTTTAAATCTCCGCATGTTCCACATAAAGTGGTGGTTGGATG  SCG I  NCO I  GTACCTTTGGCAAGTCACGTTATTATTGGATACCATGGATGTCCGCTAGGAAAAATTTTTGTGTATACCGCCTACTAGGATTTTTAAATCTCCGCATGTTCCACATAAAGTGGTGGTTGGATG	ATTC	AGA	TTA	CCGA	GTT	GGC	TGC	TTC	AAG	TCA	GGA.	AAGT	TAC/	AAGA	ATTO	:111	rtgr	ACT	cee	.ATC	AT E	ene i	TOT		CAC	CC T	TCA	404	cer	TTA	CTC	. A T.C					TTC:		
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ACGGGTGGTATGATAACCGGCCTCGGTCCTTCATGGTATATGCACCATCTAGGACAGCAGTGGTCCATCGTAGTAGAAGATGAAGAGAGAAGAGAAAGTGAAACTGCCCTACCTTCACAAACCAGCCCCCCGAACCTGGAACGACGTATATTGAGACCTGAAATTTTGACTGCTCCAACTTTGGTGGCACCGTGAAACTTTGACTTCACAAATTGATTTTGCTGCTCAAACTTTGGTGGCACCGTGAAACTTTGACTGCACTCAAAACGACGAGTTCACCAAATTGGACACGTGAAACTTTAACTCCGAAGCTGAAACTTAAATTAAAGCACGAGATTTAAATTCACAAGGCTCAAAAGCGACGAAAAATTAAATTAAAGCACGAAAAAATTAAATTAAAGCAACGAAAAAATTAAAAGCAACGAAAAAAATTAAAAGCAACGAAAAAAATTAAAAGCAACGAAAAAAATTAAAAGCAACGAAAAAAATTTAAAATCAAAGAAAAAAAA					v										AAL	.AAA								TAAL						AAT						TGA	AAGT	rgga	AA
Bamh I Hine II  GAAACCAGCCTCCGGCTGAGATAGATATTAGTAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGGCATCTGCATTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTAAATTAACTTCAAAATCATTCTCCTAAGGAGGAATGGTTAACTTGGAACGAGGAATGGTTAACTTGAACTTGAACTTAAAATCATTCTCCTAAGAACGAGGAATGGTTAACTTAGAAAGCAGGGATTTATATATG  SCAAACCAGAATATTAATTCCAAGGCTCAAGGCAGGAATACCACGCCATAATGCATGATCATTTGAAACTCTGAACTTAAAATCATTCTCCTAGGGGATTTACGATGATCATTTGAAACCACGTGAACTTAAAATCATTTAATTAA		Ü	•	K	•	G	·	г	Α.	3	G	ĸ	1	X	ı	٧	L	U	5	U	U	G	L	=	G	G	F	N	R	L.	S	н	D	A	E	Н	f	T	F
Bamh I Hine II  GAAACCAGCCTCCGGCTGAGATAGATATTAGTAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGGCATCTGCATTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTGAACTTAAATTAACTTCAAAATCATTCTCCTAAGGAGGAATGGTTAACTTGGAACGAGGAATGGTTAACTTGAACTTGAACTTAAAATCATTCTCCTAAGAACGAGGAATGGTTAACTTAGAAAGCAGGGATTTATATATG  SCAAACCAGAATATTAATTCCAAGGCTCAAGGCAGGAATACCACGCCATAATGCATGATCATTTGAAACTCTGAACTTAAAATCATTCTCCTAGGGGATTTACGATGATCATTTGAAACCACGTGAACTTAAAATCATTTAATTAA	ACGG	GTG	GTA	TGAT	AAC	CGG	ССТ	ccc	TCC.	TTC	ATG	GTAT	FATG	CAC	CAT	CTA	.GG∤	CAG	CAG	TGG	TCC	ATO	стт	TAC	TAG	AAG	ATG	AAG	AGA	ATG	AAG	CAG	AGA	ATC	ΔΔΩ	TAC	: 4 4 4 :	ACTC	ΔΔ
Bamhi Hingii  TGAAACCAGCCTCCGGCTGAGATAGATATTTAGTAAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGTGCATCTGCATTGAACGACGTATATTGAGACTTGAATTGATTTGCTGCTCA ACTTTGGTCGGAGGCCGACTCTATCTATAAATCATTCTCCTAGGGGATTTCGTCCTTACCAATTGGACAGGTAGACGTAACCTTGCTGCATATAACTCTGAACTTAACTAAACGACGAGT  K P A S G  SSp1  NSI Ndei  SACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACCTCTGTAAATTATATG CTGTGTCTTATAATTAAGGTTCCGAGGTTCCGTCCTCTATGTGCGGTATTACGTACTATGTAAACTTTCGAGGGGTTGAACTTTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SCA I  NCO I  GGAACTTTGGCAAGTCACGTTATTATGGATACCATGGATGCCCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG																																							
BamH 1 Hinc II  IGAAACCAGCCTCCGGCTGAGATAGATATTTAGTAAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGTGCATCTGCATTGAACGACGTATATTGAGACTTGAATTTACTTGCTGCTCA  ACTTTGGTGGGAGGCCGACTCTATCTATAAATCATTCTCCTAGGGGATTTCGTCCTTACCAATTGGACACGTAGACGTAACCTTGCTGCATATAACTCTGAACTTAACTAAACGACGAGT  / K P A S G  SSp I  NSI Nde I  GACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACTCTGTAAATTATATG  IGTGTCTCTTATAATTAAGGTTCCGAGGTTCCGTCTCTATGGCGGTATTACGTACTAGTATACTTTCGAGGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SC8 I  NCO I  GGAACTTTGGCAAGTCACGTTATTATGGATACCATGGATGCCCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG	D G	W	Y	D	N	R	P	R	5	F	м	v .	Y	Δ.								u	. GAA																
GAAACCAGCCTCCGGCTGAGATAGATATTTAGTAAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGTGCATTGAACGACGATTAATTGAGACTTGAATTGATTTGCTGCTCA  ACTITGGTGGGAGGCCGACTCTATCTATAAATCATTCTCCTAGGGGATTTCGTCCTTACCAATTGGACACGTAGACGTAACTTGCTGCATATAACTCTGAACTTAACTAAACGACGAGT  V K P A S G  SSp I  NSI Nde I  GACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACTCTGTAAATTATATG  TGTGTCTTATAATTAAGGTTCCGAGGTTCCGTCTCTATGGCGGTATTACGTACTAGTATACTTTCGAGGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SC8 I  NCO I  GGAACTTTGGCAAGTCACGTTATTATGGATACCATGGATGCCCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG				-	-				-			•		_	•	•		•	_	•	•	"	^	_	•	Ε.	U	-	-	N	E.	A	E.	N	Ł	٧	E	5	t
GAAACCAGCCTCCGGCTGAGATAGATATTTAGTAAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGTGCATTGAACGACGATTAATTGAGACTTGAATTGATTTGCTGCTCA  ACTITGGTGGGAGGCCGACTCTATCTATAAATCATTCTCCTAGGGGATTTCGTCCTTACCAATTGGACACGTAGACGTAACTTGCTGCATATAACTCTGAACTTAACTAAACGACGAGT  V K P A S G  SSp I  NSI Nde I  GACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACTCTGTAAATTATATG  TGTGTCTTATAATTAAGGTTCCGAGGTTCCGTCTCTATGGCGGTATTACGTACTAGTATACTTTCGAGGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SC8 I  NCO I  GGAACTTTGGCAAGTCACGTTATTATGGATACCATGGATGCCCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG																																							
GAAACCAGCCTCCGGCTGAGATAGATATTTAGTAAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGTGCATTGAACGACGATTAATTGAGACTTGAATTGATTTGCTGCTCA  ACTITGGTGGGAGGCCGACTCTATCTATAAATCATTCTCCTAGGGGATTTCGTCCTTACCAATTGGACACGTAGACGTAACTTGCTGCATATAACTCTGAACTTAACTAAACGACGAGT  V K P A S G  SSp I  NSI Nde I  GACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACTCTGTAAATTATATG  TGTGTCTTATAATTAAGGTTCCGAGGTTCCGTCTCTATGGCGGTATTACGTACTAGTATACTTTCGAGGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SC8 I  NCO I  GGAACTTTGGCAAGTCACGTTATTATGGATACCATGGATGCCCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG													Вап	nH I						۰	linc	н																	
ACTITIGGTEGGAGGCCGACTETATEATAAATEATTETECTAGGGGATTTEGTECTTACEAATTGGACACGTAGACGTAACTTGCTGCATATAACTETGAACTTAACTAAACGACGAGT  NSII Ndg I  CACACAGAATATTAATTCCAAGGCTCAAGGCAGGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACCTCTGTAAATTATATG  CTGTGTCTTATAATTAAGGTTCCGAGGTCCGTCTCTATGTGCGGGTATTACGTACTATGTAACTTTCGAGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SC8 I  NCO I  GGACTTTGGCAAGTCACGTTATTATGGATACCATGGATGTCCGCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG	7044				•••								•																										
SER I NEO I  SCALACAGAATATTAATTCCGAGGGGATTCGCCTAGGGGAAAATTTTGGACACGTAGACGTAGCGTAACTTGCTGCATATAACTCTGAACTTAACTAAACGACGAGT  SCALACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACTCTGTAAATTATATG  TGTGTCTCTTATAATTAAGGTTCCGAGGTTCCGTCCTATGTGCGGTATTACGTACTAGTATACTTTCGAGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SCALI  NCOI			_	_		_			_												_		-	_		4													
SSPI NSIL NOBI  CACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCCATAATGCATGATCATTAGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACTCTGTAAATTATATG  CTGTGTCTTATAATTAAGGTTCCGAGTTCCGTCTTATGTGCGGTATTACGTACTAGTATACTTTCGAGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SCAI NCOI  GGTACTTTGGCAAGTCACGTTATTATGGATACCATGGATGTCCGCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG		rggi	rcgo			ACT	CTA.	TCT	ATA	A A T (	CATI	rctc	.CTA	GGG	GAT	TTC	GTC	CTT	ACC	AAT	TGG	ACA	CGT	AGA	CGT	AAC	TTG	CTG	CAT	ATA	ACT	CTG	AAC	TTA	ACT	AAA	CGA	CGA	GT <sup>*</sup>
SACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACTCTGTAAATTATATG  ETGTGTCTTATAATTAAGGTTCCGAGTTCCGTCCTATGTGCGGTATTACGTACTAGTATACTTTCGAGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SCB   NCO    IGTACTTTGGCAAGTCACGTTATTATGGATACCATGGATGTCCGCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG	v K	P	A	S	G				,																														
SACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATGATCATATGAAAGCTCCCCAACTTGTAAATCATTTAGCAAGCTGCGTGCACTCTGTAAATTATATG  ETGTGTCTTATAATTAAGGTTCCGAGTTCCGTCCTATGTGCGGTATTACGTACTAGTATACTTTCGAGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SCB   NCO    IGTACTTTGGCAAGTCACGTTATTATGGATACCATGGATGTCCGCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG			,	isn I													Me	3.1	Na	10.1								-											
TGTGTCTTATAATTAAGGTTCCGAGTTCCGTCTCTATGTGCGGTATTACGTACTAGTATACTTTCGAGGGGTTGAACATTTAGTAAATCGTTCGACGCACGTGAGACATTTAATATAC  SCB   NCO   GTACTTTGGCAAGTCACGTTATTATGGATACCATGGATGTCCGCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG			- 1	•													:		_ :																				
Scal Ncol  GTACTITGGCAAGTCACGTTATTATGGATACCATGGATGTCCGCTAGGAAAAATTITGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG																																							
Scal Ncol  GTACTITGGCAAGTCACGTTATTATGGATACCATGGATGTCCGCTAGGAAAAATTITGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG	CTGTG	TCI	TAT	AAT	TAA	GGT'	TCC	GAG	TTCC	GTC	CTCT	TATG	TGC	GGT	ATT	ACG	TAC	TAG	TAT	ACT	TTC	GAG	GGG	TTG	AAC	ATT	TAG	TAA	ATC	STT	CGA	ccc	ACG.	TGA	GAC	ÄTT	TAA	TAT	→ 2 40
GTACTTTGGCAAGTCACGTTATTATGGATACCATGGATGTCCGCTAGGAAAAATTTTGTGTATACGCCTACTAGGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATG	_																																						
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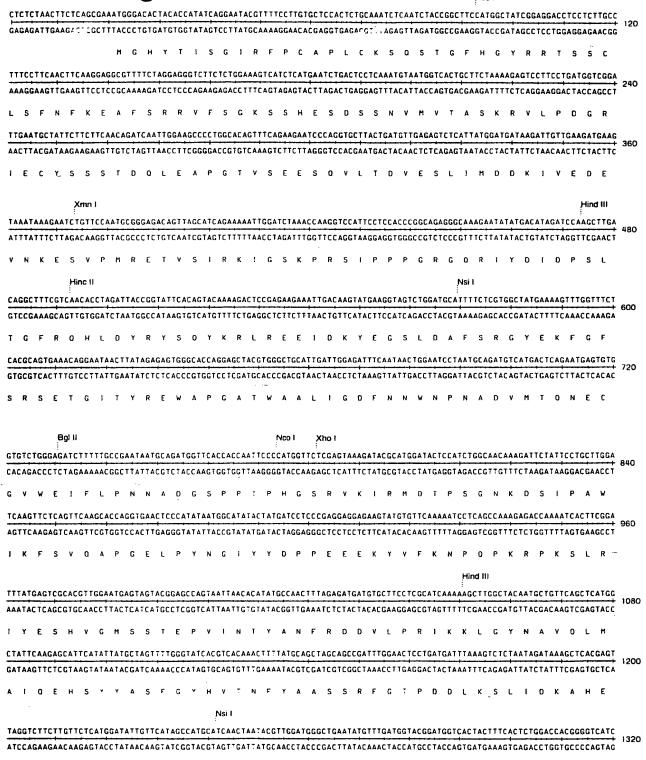
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Fig.4.

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## Fig.4 (Cont).

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TAACCTACACCCTGAGAGCGGAAAAGTTGATACCCTCGACCCTCCAAGATTCCAAAGAAGAAAGTTTACGTTCCACCACCAACCTACTCATGTTCAAACTACCCAAGTCTAAACTACCCC	•	
H W H W D S R L F N Y G S W E V L R F L L S N A R W W L D E Y K F D G F R F D G		
TGACTTCAATGATGTACACCCATCATGGATTGCAGGTAGATTTTACCGGCAACTACAATGAATACTTTGGATATGCAACTGATGTAGATGCTGTTGGATGTTGAATGATA	^	
ACTGAAGTTACTACATGTGGGTAGTACCTAACGTCCATCTAAAATGGCCGTTGATGTTACTTATGAAACCTATACGTTGACTACATCTACGACAACTAACGACAACTTACTAT	J	
V T S M M Y T H H G L O V D F T G N Y N E Y F G Y A T D V D A V V Y L M L L N D		
TGATTCATGGTCTCTTCCCAGAGGCTGTCACCATTGGTGAAGATGTTAGTGGAATGCCAACAGTTTGCATTCCGGTTGAAGATGGTGGTGTTGGCTTTGATTATCGTCTCCACATGGCTG	n	
ACTAAGTACCAGAGAAGGGTCTCCGACAGTGGTAACCACTTCTACAATCACCTTACGGTTGTCAAACGTAAGGCCAACTTCTACCACCACAACCGAAACTAATAGCAGAGGTGTACCGAC	_	
HIH G L F P E A V T I G E D V S G M P T V C I P V E D G G V G F D'Y R L H M A		
TTGCTGATAAATGGGTTGAGATTATTCAGAAGAGAGAGATGAAGATTGGAAAATGGGTGACATTGTACATATGCTGACCAACAGGCGGTGGTTGGAAAAGTGTGTTTCTTATGCTGAAAGTC	O	
AACGACTATTTACCCAACTCTAATAAGTCTTCTCTCTACTTCTAACCTTTTACCCACTGTAACATGTATACGACTGGTTGTCCGCCACCAACCTTTTCACACAAAGAATACGACTTTCAG	-	
V A D K W V E I I O K R O E D W K M G D I V H M L T N R R W L E K C V S Y A E S		
ATRACCARRECETTRITERITERIA AAAACTATITERATITERETRATERAGAGAAGGATATGTATGACTICATGGCTCTTGACAGACCATCTACTCCTCTCATAGATCGTGGAGTAGCATTGC		
TACTGGTCCGGGAACAACCACTGTTTTGATAACGTAAAACCGACTACCTGTTCCTATACATAC	0	
H D O A I V C O Y T I A E W I H D K D H Y D F M A I D R P S T P L I D R G V A L		
Bcl 1 Nco I		
	0	
HKM I R L I T M G L G G E G Y L N F M G N E F G H P E W 1 D F P R G D L H L P		
ACTICAATGATGTACACCCATCATGGATTGCAGGTAGTTTTTACCGGCAACTACAATGAATG		
EcoR V Bcl I		
GTGGTAAATTTGTTCCTGGGAACAATTACAGTTATGATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAAGCATCTGAGATTCATGGAATGCAAGAGTTTGATCAAGCAATTCAGC	TAGACAGATACTOTICACTOTICACTOTICACATOTICACACACTOTICACACACACACACTOTICACACACACACACTOTICACACACACACACTOTICACACACACACACACTOTICACACACACACACACACACACACACACACACACACACA	
CTCCTAAATTTCTTCTCCCAACAATTACACTTATCATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAAGCATCTGAGATATCATGGAATGCAAGAGTTTGATCAAGCAATTCAGC	0	
GTGGTAAATTTGTTCCTGGGAACAATTACAGTTATGATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAAGCATCTGAGATATCATGGAATGCAAGAGTTTGATCAAGCAATTCAGC CACCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTTACGGCCGCATCCAAACTAGATCCGTTAAGTTCGTAGACTCTATAGTACCTTACGTTCCAAACTAGTTCGTTAAGTCC	0	
GTGGTAAATTTGTTCCTGGGAACAATTACAGTTATGATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAGCATTCAAGCATCTGAGAATGCAAGAATTCAAGCAATTCAATTTCAATTAAACAAGCATCTATGGTTTCAAGCAAG		
GTGGTAAATTTGTTCCTGGGAACAATTACAGTTATGATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAGCATTCAAGCATCTGAGAATGCAAGAATTCAAGCAATTCAATTTCAATTAAACAAGCATCTATGGTTTCAAGCAAG		
GTGGTAAATTTGTTCCTGGGAACAATTACAGTTATGATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAAGCATCTGAGATACCATGGAATGCAAGAGTTTGATCAAGCAATTCAGC CACCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTTACGGCCGCATCCAAACTAGATCCGTTAAGTTCGTGAGACTCTATAGTACCTTACGTTCCTAAACTAGTTCGTTAAGTCC  S G K F V P G N N Y S Y D K C R R R F D L G N S K H L R Y H G H O E F D O A I O  ATCTTGAAGAAGCCTATGGTTTCATGACTTCTGAGCACCAATACATATCACGGAAGGATGAAAGGGATCGATC		
CACCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTTACGGCCGCCTAGGTTTGATCTAGGCAATTCAAAGCATCTGAGATTCATGGAATGCAAGAGTTTGATCAAGCCATTCAGCC  S G K F V P G N N Y S Y D K C R R R F D L G N S K H L R Y H G H O E F D O A I O  ATCTTGAAGAAGCCTATGGTTTCATGACTTCTGAGCACCAATACATATCACGGAAGGATGAAAGGGATCGATC		
GTGGTAAATTTGTTCCTGGGAACAATTACAGTTATGATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAAGCATCTGAGATTACATGGAATGCAAGAGTTTGATCAAGCAATTCAGC  CACCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTTACGGCCGCATCCAAACTAGATCCGTTAAGTTCGTAGACTCTATAGTACCTTACGTTCCTAAACTAGTTCGTTAAGTCG  S G K F V P G N N Y S Y D K C R R R F D L G N S K H L R Y H G M O E F D O A I Q  ATCTTGAAGAAGCCTATGGTTTCATGACTTCTGAGCACCAATACATATCACGGAAGGATGAAAGGGATCGATC	0	
GTGGTAAATTTGTTCCTGGGAACAATTACAGTTATGATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAAGCATTCTGAGATTACATGGAATGCAAGAGTTTGATCAAGCAATTCAGC CACCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTTACGGCCGCATCCAAACTAGATCCGTTAAGTTCGTAGACTCTTATGTACCTTACGTTCCTAAACTAGTTCGTTAAGTCC  S G K F V P G N N Y S Y D K C R R R F D L G N S K H L R Y H G M O E F D O A I Q  ATCTTGAAGAAGCCTATGGTTTCATGACTTCTGAGCACCAATACATATCACGGAAGGATGAAAGGGATCGATC	0	
CACCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTTACGGCCGCCTACCAAACTAGATTCAAGCATTCAAAGCATCTGAGACTCTATGTACCATTCAAAGCATTCAAAGCATTCAAAGCATTCAAGCCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTTACGGCCGCCAACCTAGACTAGATCCGTTAAGTTCCGTAGACTCTATAGTACCTTACGTTCCTAAACTAGTTCGTTAAGTCCGTTAAGTTCGTTAAAGTACAAAGTTCAAACTAAGTTCAAACTAAGTTCAAACTATTCAATTTTCAATTTCAATTTTCAATTTTCAATTTTCAATTTTCAATTTTCAATTTTCAATTTTCAATTTTCAATTTTCAAAACTAATCACGGAAGGAA	0	
CACCATTTAAACAAGGACCCTIGTTAATGTCAATACTATTTACGGCCGCCTACGATTGATCTAGGCAATTCAAAGCATCTGAGACTCTAAGGCAATTCAAGCCATTTAAACAAGGACCCTIGTTAATGTCAAAGCAATTCAGCCCCCCAAACTAGATCCGTTAAGTTCGTAGACTCTAAGACCTCTAAGACCTTAAGTACCTTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCAAATTTCAATTTTCATTTTAAGAACAAGGCCTATGGTTTCATGGACTCTCTGGAGAGAGGAAAACATAAGTTAAAAGTAAAAAGTAAAAACTTAAAAAGTAAAAAAACATAAGTTAAAAAGTAAAAAAAA	0	
CACCATTTAAACAAGGACCCTIGTTAATGTCAATACTATTTACGGCCGCCTACGATTGATCTAGGCAATTCAAAGCATCTGAGACTCTAAGGCAATTCAAGCCATTTAAACAAGGACCCTIGTTAATGTCAAAGCAATTCAGCCCCCCAAACTAGATCCGTTAAGTTCGTAGACTCTAAGACCTCTAAGACCTTAAGTACCTTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCGTAAACTAAGTTCAAATTTCAATTTTCATTTTAAGAACAAGGCCTATGGTTTCATGGACTCTCTGGAGAGAGGAAAACATAAGTTAAAAGTAAAAAGTAAAAACTTAAAAAGTAAAAAAACATAAGTTAAAAAGTAAAAAAAA	0	
CACCATTTAAACAAGGACCCTTGTTAATGCAATACATTTACGGCCGCCTAGGTTTGATCCAAGCAATTCAAGCAACTAAGTTCGTAAGTTCGTAAGTTCGTAAGACCTTAAGTTCGTAAGCAAGC	0	
CACCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTACGGCCGCATCCAAACTAGATCCAAGCTTAGGTATCAAGGCATTCCAAGCTATTCATGGAACTCTTAAACAAGGACCCTTGTTAATGTCAAACTATTCACGCCGCATCCAAACTAGATCCGTTAAGTTCGTGAGACTCTTAAGTACCTTCCAAACTAGTTCGTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTCGAGAGGGGAAACCTCCGTTTTTGTATTCAATTTTCATTTTAGGAACCTTCTTCGGAGAGGGAAACCTCCGTTTTTGTATTCAATTTTCATTTTAGGAACCTTCCTCCGAGAGGGGAAAACCATCGTTTTTGTATTCAATTTTCATTTTAGGAACCTTCCTT	0	
CACCATTTAAACAAGGACCCTTGTTAATGTCAATACTATTACGGCCGCATCCAAACTAGATCCAAGCTTAGGTATCAAGGCATTCCAAGCTATTCATGGAACTCTTAAACAAGGACCCTTGTTAATGTCAAACTATTCACGCCGCATCCAAACTAGATCCGTTAAGTTCGTGAGACTCTTAAGTACCTTCCAAACTAGTTCGTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTAAGTTCCTTCGAGAGGGGAAACCTCCGTTTTTGTATTCAATTTTCATTTTAGGAACCTTCTTCGGAGAGGGAAACCTCCGTTTTTGTATTCAATTTTCATTTTAGGAACCTTCCTCCGAGAGGGGAAAACCATCGTTTTTGTATTCAATTTTCATTTTAGGAACCTTCCTT	0	

### Fig.5.

	£60 £70 £80	<b>₊</b> 90	€100 £110	<b>≠</b> 120
125+94. seq	TAGTTTTGGGTACCATGTCACAAAC	TTTTTTGCACCTAGC	AGCCGATTTGGAACTCCT	TGATGATTTGAAG
	TAGTTTTGGGTA CA GTCACAAAC	TTTT TGCA CTAGC	AGECGATTTGGAACTCCT	GATCATTT AAG
116. seq	TAGTTTTGGGTATCACGTCACAAAC	TTTTATGCAGCTAGC	AGCCGATTTGGAACTCCT	CATCATTTAAAC
	41140 41150 41160	<u>+1170</u>	*1180 *1190	1200
	₹130 ₹140 ₹150	£160	€170 €180	₹190
125+94. seq	TCTTTAATAGATAAAGCTCATGAGT	TAGGGCTGCTTGTTC	TCATGGATATTGTTCATA	AGCCATGCGTCAA
	TCT TAATAGATAAAGCTCA GAGT	TAGG CT CTTGTTC	TCATGGATATTGTTCATA	ACCUATED TOAA
116. seq	TCTCTAATAGATAAAGCTCACGAGT	TAGGTCTTCTTGTTC	TCATGGATATTGTTCATA	ACCATCCATCAA
•	*1210 *1220 *1230	<b>1</b> 240	*1250 <b>*</b> 1260	1270
	<i>€</i> 200 <i>€</i> 210 <i>€</i> 220	<b>ғ23</b> 0	£240 £250	<b>-</b> 260
125+94. seq	ATAATACGTTGGATGGGCTGAACAT	GTTTGATGGTACGGA	TAGTCACTACTTCCACTC	CGGATCACGGG
•	TAATACGTTGGATGGGCTGAA AT	GTTTGATGGTACGGA	T GTCACTACTT CACTO	DODDOOAD ADD
116. seq	CTAATACGTTGGATGGGCTGAATAT	GTTTGATGGTACGGA	TGGTCACTACTTTCACTC	TGGACCACGGGG
	*1280 *1290 *1300		<b>1320 1330</b>	<b>1340</b>
	<i>€</i> 270 <i>€</i> 280 <i>€</i> 290		<i>€</i> 310 <i>€</i> 320	<b>∉330</b>
125+94. seq	TCATCATTGGTTGTGGGACTCTCGC	CTTTTCAACTATGGA	AGCTGGGAGGTGCTAAGA	TTTCTTCTTTCA
	TCATCATTGG TGTGGGACTC CGC	CTTTTCAACTATGG	AGCTGGGAGGT CTAAG	TTTCTTCTTTCA
116. seq	TCATCATTGGATGTGGGACTCCCGC			
	1350 1360 1370		<b>1390 1400</b>	<b>~</b> 1410
	₹340 ₹350 ₹360	<b>€</b> 370	<i>≰</i> 380 <i>≰</i> 390	<b>-</b> 400
125+94. seq	AATGCAAGATGGTGGTTGGAAGAGT	ACAGGTTTGATGGTT	TTAGATTTGATGGGGTGA	CTTCCATGATGT
110	AATGCAAG TGGTGGTTGGA GAGT	ALA GITTGATGG T	I AGATTIGA GGGGTGA	CTIC ATGATGT
116. seq	AATGCAAGGTGGTGGTTGGATGAGT			
			<b>€</b> 1460 <b>€</b> 1470	*1480
125+94. seq	#410 #420 #430		€450 €460	<b>₹470</b>
125+94. seq	ACACTCCCCATGGGTTGCAGGTAGC ACAC C CATGG TTGCAGGTAG		CAATGAGTACTTTGGATA	
116. sea	ACACCCATCATGGATTGCAGGTAGA			
110. seq	\$1490 \$1500 \$1510		±1530 ±1540	41550
	£480 £490 £500		€520 €530	€540
125+94. sea	AGATGCTGTGATTTATTTGATGCTT			
720 0 1. seq	AGATGCTGTG TTTATTTGATGCT			
116. sea	AGATGCTGTGGTTTATTTGATGCTG			
	1560 1570 1580	<b>1</b> 590	<b>1600 1610</b>	<b>1</b> 620
	₹550 ₹560 ₹570	<b>₹58</b> 0	<b>₹</b> 590 <b>₹</b> 600	<b>∉</b> 610
125+94. seq	GGTGAAGATGTTAGCGGAAAGCCAA	CATTTTGCATTCCAG	TGGAAGATGGTGGTGTTG	GATTTGATTACC
•	GGTGAAGATGTTAG GGAA GCCAA	CA TTTGCATTCC G	T GAAGATGGTGGTGTTG	G TTTGATTA C
116. seq	GGTGAAGATGTTAGTGGAATGCCAA			GCTTTGATTATC
	<b>1630 1640 1650</b>		<b>1670 1680</b>	<b>1690</b>
	<b>₹620 ₹630 ₹640</b>		<b>₹660 ₹670</b>	<b>₊6</b> 80
125+94. seq	GTCTCCACATGGCCATTGCCGATAA			
	GTCTCCACATGGC TTGC GATAA	ATGG TTGAGATT T	T AGAAGAGAGATGA GA	TGGAAAATGGG
116. seq	GTCTCCACATGGCTGTTGCTGATAA			
	\$1700 \$1710 \$1720		*1740 *1750	<u>1760</u>
125+94. seq	¢690 ¢700 ¢710	₹720	€730 €740	€750
125+94. seq	TGACATTGTGCATACACTCACCAAC TGACATTGT CATA CT ACCAAC			
116. seq				
110. Seq	TGACATTGTACATATGCTGACCAAC	41800	*1810 *1820	*1830
	₹760 ₹770 ₹780	•790 €790	₹800 <b>₹</b> 810	<b>₹820</b>
125+94. sea	CAAGCTCTTGTTGGTGACAAAACTA			
.20 5 559	CA GC CTTGTTGGTGACAAAACTA	TTGCATTTTGCCTGA	TGGACAAGGA ATGTA	ACTICATEGETE
116. sea	CAGGCCCTTGTTGGTGACAAAACTA			
	*1840 *1850 *1860		*1880 *1890	1900
	₹830 ₹840 ₹850	<b>₹86</b> 0	<b>€870 €880</b>	<b>₹</b> 890
125+94. seq	GTGACAGACCATCTACTCCTCTTAT	AGATCGTGGAATAGC	CATTGCACAAAATGATCAG	GCTTATTACCAT
•	TGACAGACCATCTAC CCTCT AT	AGATEGTEGA TAGE	CATTGCACAAAATGATCAG	GCTTATTACCAT
116. seq	TTGACAGACCATCTACCCCTCTCAT	'AGATCGTGGAGTAGC	CATTGCACAAAATGATCAG	GCTTATTACCAT
-	*1910 *1920 *1930	°1940	<b>1950 1960</b>	<b>^</b> 1970
405 0"	₹900 £910 £920	<b>.</b> €930	<b>€940 €950</b>	<b>≠</b> 960
125+94. seq	GGGCTTAGGCGGAGAAGGATATTTG	AATTTTATGGGAAAT	GAATTTGGACATCCTGAG	TGGATTGATTTT
116	GGG TTAGGCGGAGAAGGATATTTG	AATTTTATGGGAAAT	GAATTTGGACA CC GAG	TGGATTGATTTT
116. seq	GGGATTAGGCGGAGAAGGATATTTG	iaattitatgggaaat 2010		
	1990 1990 -2000	, -2010	<b>4</b> 2020 <b>4</b> 2030	<b>4</b> 2040

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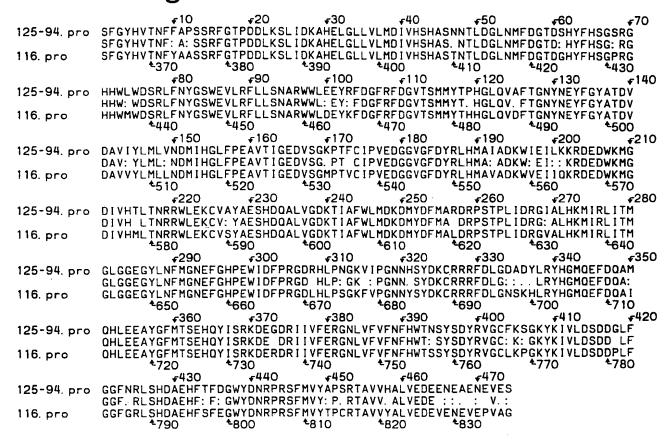
# Fig.5 (Cont).

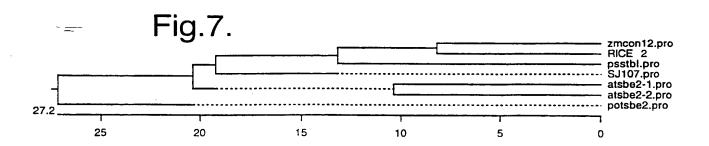
	<b>₽</b> 970	<b>-</b> 980	<b>₹</b> 990	<b>₹</b> 1000	£1010	€1020	<b>€</b> 1030
125+94. seq	CCAAGAGG	GGATCGACATO	TGCCCAATG	GTAAAGTAAT	TCCAGGGAAC	AACCACAGTT	ATGATAAATGCC
· ·	CCAAGAGG	GATC ACATO	T CCCA TGO	GTAAA T T	TCC GGGAAC	AA ACAGTT	ATGATAAATGCC
116. seq	CCAAGAGG	TGATCTACATO	TTCCCAGTG	STAAATTTGT	TCCTGGGAAC	AATTACAGTT	ATGATAAATGCC
•	<b>£</b> 2050	<b>£</b> 2060	<b>€</b> 2070	<b>£2080</b>	<b>1</b> 2090	<sup>4</sup> 2100	£2110
	£1040	<b>₹1050</b>	£1060	£1070	<b>₹</b> 1080	<b>₹1090</b>	£1100
125+94. seq	GTCGTAGA	TTTGATCTAGG	TGATGCAGA	CTATCTAAGA			TGATCAGGCAAT
•	G CGTAG	TTTGATCTAGG	AT CA A	ATCT AGA	TATCATGGAA	TGCAAGAGTT	TGATCA GCAAT
116. seq	GGCGTAGG'	TTTGATCTAGG	CAATTCAAA	CATCTGAGA	TATCATGGAA	TGCAAGAGTT	TGATCAAGCAAT
•	<b>€</b> 2120	<b>€</b> 2130	£2140	<sup>4</sup> 2150	<b>1</b> 2160	±2170	<b>€2180</b>
	<b>∉</b> 1110	<b>≠</b> 1120	<b>₹1130</b>	<b>€1140</b>	£1150	<b>∉</b> 1160	€1170
125+94. seq	GCAACATC'	TTGAAGAAGCC	TATEGTTTC	ATGACTTCTGA	AGCACCAGTA	TATATCACGG	AAGGATGAAGGA
·	CA CATC	TTGAAGAAGCC	TATEGTTTC	ATGACTTCTGA	AGCACCA TA	ATATCACGG	AAGGATGAA G
116. seq	TCAGCATC	TTGAAGAAGCC	TATEGTTTC	ATGACTTCTGA	AGCACCAATA	CATATCACGG	AAGGATGAAAGG
•	<b>-</b> 2190	<b>£</b> 2200	<b>*2210</b>	<b>4</b> 2220	<b>4</b> 2230	<b>4</b> 2240	<b>*2250</b>
	£1180	<b>∉</b> 1190	<b>₹1200</b>	<b>₹1210</b>	<b>₹1220</b>	€1230	£1240
125+94. seq	GATCGGAT	CATTGTCTTTG	SAGAGGGGAAA	ACCTTGTTTT	<b>TGTATTCAAC</b>	TTTCATTGGA	CTAACAGCTATT
		CATTGTCTT 0	SAGAGGGGAAA	ACCT GTTTT	TGTATTCAA	TTTCATTGGA	CTA CAGCTATT
116. seq	GATCGGAT	CATTGTCTTCG	AGAGGGGAAA	ACCTCGTTTT	<b>IGTATTCAAT</b>	<b>TTTCATTGGA</b>	CTAGCAGCTATT
	<b>€</b> 2260	<b>£</b> 2270	<b></b> 2280	<b>£</b> 2290	<b>-</b> 2300	<b>⁴</b> 2310	<b>4</b> 2320
	<b></b> 1250	<b>∉</b> 1260	<b>∉</b> 1270	<b>€1280</b>	<b>∉1290</b>	<b>₹1300</b>	<b>∉</b> 1310
125+94. seq	CAGATTACO	CGAGTTGGCTG	CTTCAAGTCA	AGGAAAGTACA	AGATTGTTT	<b>TGGACTCGGA</b>	TGATGGCTTGTT
	C GATTAC	CGAGTTGGCTG	CTT AAG CA	AGGAAAGTACA	AAGAT GT T	TGGA TC GA	TGAT TTGTT.
116. seq	CGGATTAC	CGAGTTGGCTG	CTTAAAGCCA	AGGAAAGTACA	AGATAGTCT	<b>TGGATTCAGA</b>	TGATCCTTTGTT
	<b>€</b> 2330	<b>^234</b> 0	<b>-</b> 2350	<b>£2360</b>	<b>€</b> 2370	<b>£</b> 2380	<b>4</b> 2390
	<b>∉1320</b>	<b>∉133</b> 0	<b>∉</b> 1340	<b>∉1350</b>	<b>∉</b> 1360	<b>∉</b> 1370	<b>∉</b> 1380
125+94. seq							GATAACCGGCCT
	TGGAGGCT	T CAGGCTT	AGTCATGAT	C GAGCACTI	TCA CTTTGA	GGGTGGTA	GATAACCGGCCT
116. seq	TGGAGGCT						GATAACCGGCCT
	<b>4</b> 2400	<b>~</b> 2410	£2420	<b>4</b> 2430	<b>~</b> 2440	<b></b> 2450	<b>1</b> 2460
	<b>≠</b> 1390	<b>₹1400</b>	<b>∉</b> 1410	<b>₹1420</b>	<b>∉</b> 1430	<b>₹1440</b>	<b>∉</b> 1450
125+94. seq		CATGGTATATO					
	CG TCCTT		CACCAT TAG	ACAGCAGTO	GTC ATGCT	TTAGT GA G	ATGAAG
116. seq	CGATCCTT	CATGGTGTACA	CACCATGTAC	BAACAGCAGTO	GTCTATGCT	TTAGTGGAGG	ATGAAG
	<b>^</b> 2470	<b>€</b> 2480	<b>€</b> 2490	<b>4</b> 2500	<b>4</b> 2510	<b>⁴</b> 2520	<b>1</b> 2530

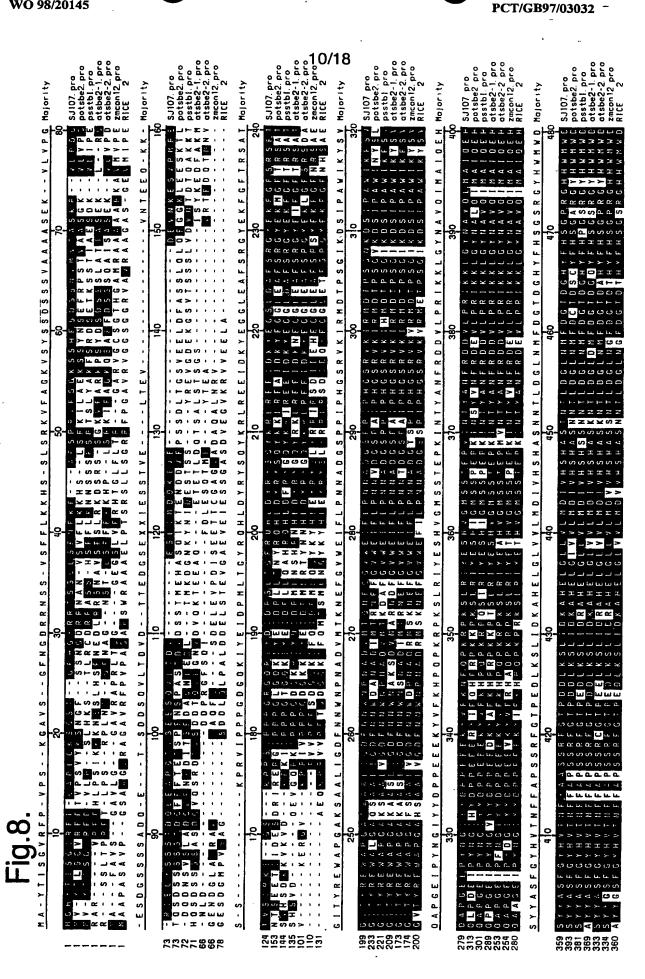
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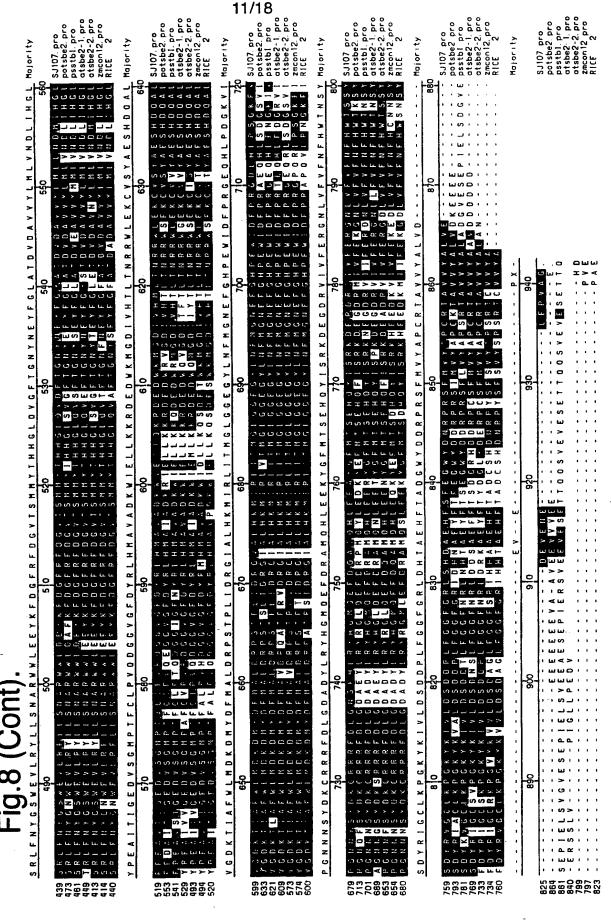
### Fig.6.







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Fig.9.	Bcl I	Nco I
ATGGACAAGGATATGTATGACTTCATGGCTCTTGACAGACCATCTACTCCTCTCATAGATCGTGGAGTAGCATTGCACA	AAATGATCAGGCTTATT.	i Acca—
TACCTGTTCCTATACATACTGAAGTACCGAGAACTGTCTGGTAGATGAGGAGGAGTATCTAGCACCTCATCGTAACGTGT	TTTACTAGTCCGAATAA	TGGT
M D K D M Y D F M A L D R P S T P L I D R G V A L H	KMIRLI	T
AAGGATATGATAGATTTCATGGCTCTTGACAGACCATCTACTCTCTCT		
ACCCTAATCCGCCTCTTCCTATAAACTTAAAATACCCTTTACTTAAACCTGTGGGGCTCACCTAACTAA	ACTAGATGTAGAAGGGT	CACC 200
M G L G G E G Y L N F M G N E F G H P E W I D F P R G	DLHLP	s c
	EcoR V	Bcl I
TAAATTTGTTCCTGGGAACAATTACAGTTATGATAAATGCCGGCGTAGGTTTGATCTAGGCAATTCAAAGCGTCTGAGA	TATCATGGAATGCAAGA	
ATTTAAACAAGGACCCTTGTTAATGTCAATACTATTTACGGCCGCATCCAAACTAGATCCGTTAAGTTTCGCAGACTCT	ATAGTACCTTACGTTCT	
K F V P G N N Y S Y D K C R R R F D L G N S K R Ł R	Y H G M Q E	F
GATCAAGCAATTCAGCATCTTGAAGAAGCCTATGGTTTCATGACTTCTGAGCACCAATACATATCACGGAAGGATGAAA	GGGATCGGATCATTGTC	
CTAGTTCGTTAAGTCGTAGAACTTCTTCGGATACCAAAGTACTGAAGACTCGTGGTTATGTATAGTGCCTTCCTACTTT	CCCTAGCCTAGTAACAG	
D Q A I Q H L E E A Y G F M T S E H Q Y I S R K D E	RDRIIV	F
AGAGGGGAAACCTCGTTTTTGTATTCAATTTTCATTGGACTAGCAGCTATTCGGATTACCGAGTTGGCTGCTTAAAGCC	AGGAAAGTACAAGATAG	
TCTCCCCTTTGGAGCAAAAACATAAGTTAAAAGTAACCTGATCGTCGATAAGCCTAATGGCTCAACCGACGAATTTCGG	TCCTTTCATGTTCTATC	
ERGNL V F V F N F H W T S S Y S D Y R V G C L K P	G K Y K 1	V L
GGATTCAGATGATCCTTTGTTTGGAGGCTTTGGCAGGCTTAGTCATGATGCAGAGCACTTCAGCTTTGAAGGGTGGTAC	GATAACCGGCCTCGATC	
CCTAAGTCTACTAGGAAACAAACCTCCGAAACCGTCCGAATCAGTACTACGTCTCGTGAAGTCGAAACTTCCCACCATG	CTATTGGCCGGAGCTAG	
D S D D P L F G G F G R L S H D A E H F S F E G W Y	D N R P R S	F
ATGGTGTACACACCATGTAGAACAGCAGTGGTCTATGCTTTAGTGGAGGATGAAGTGGAGAATGAAGTGGAACCTGTCG	CCGGTTAAGATATATCT	
TACCACATGTGTGGTACATCTTGTCGTCACCAGATACGAAATCACCTCCTACTTCACCTCTTACTTCACCTTGGACAGC	GGCCAATTCTATATAGA	
M V Y T P C R T A V V Y A L V E D E V E N E V E P V	A G .	
AACAGGTTCTGAAGCAGGAATGCCATTATTGATCTTCCTATGTGCATCTGCGTTGAACGAAATATATTGAGCCTATAAT	TTGATGTCACGGTCCTT	
TTGTCCAAGACTTCGTCCTTACGGTAATAACTAGAAGGATACACGTAGACGCAACTTGCTTTATATAACTCGGATATTA	AACTACAGTGCCAGGAA	
ATTTCCATCCTGGTTCTTGGTATTTTGTCATGATAAACATAATCAAAGACCAATAGGAAACGCAGGGTTACATGCT	AGCTTCCATCATCATAG	
TAAAGGTAGGACCAAGAACCATAAAACAACAGTACTATTTGTATTAGTTTCTGGTTATCCTTTGCGTCCCAATGTACGA	TCGAAGGTAGTATC	
Sacı		
: CTCAGACCTCCTAAACCATAAATCTTCAAGCTGCCTGCGTTCGGTAGTATGTTATGTGGTACTTTGCAATCTTAAATTA	TCATGATCGCTGTGGAT	
GAGTCTGGAGGATTTGGTATTTAGAAGTTCGACGGACGCAAGCCATCATACAATACACCATGAAACGTTAGAATTTAAT	AGTACTAGCGACACCTA	
ACTATGACAATTTTGTATATATGCCAACGAGGATTTTAAAGTTTTAAAAAAAA		
TGATACTGTTAAAACATATATACGGTTGCTCCTAAAATTCAAAATTTTTTTT		

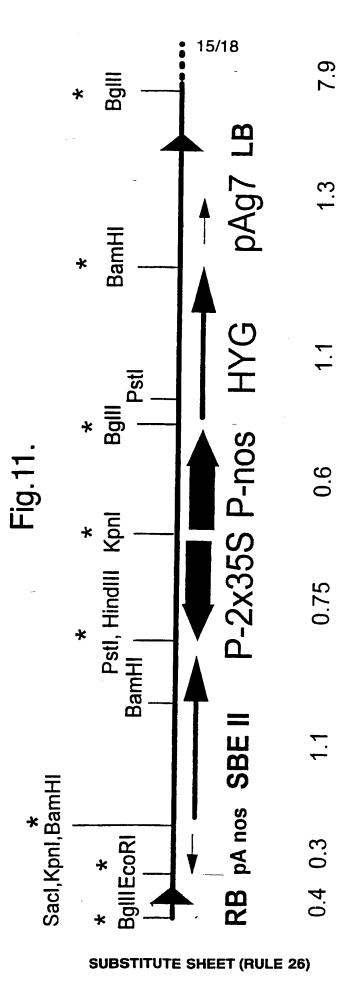
## Fig.10.

Cla I	Kpn I
TATGGATTGACATCGATAATACGACTCACTATAGGGATTTTTTTT	TTTTTTTTTTGTAGTTTTGGGTACCATGTCACAAACTTTTTTGCACCTAGCA
ATACCTAACTGTAGCTATTATGCTGAGTGATATCCCTAAAAAAAA	AAAAAAAAAAACATCAAAACCCATGGTACAGTGTTTGAAAAAACGTGGATCGT
	SFGYHVTNFFAPS
GCCGATTTGGAACTCCTGATGATTTGAAGTCTTTAATAGATAAAGCTC	ATGAGTTAGGGCTGCTTGTTCTCATGGATATTGTTCATAGCCATGCGTCAAA
CGGCTAAACCTTGAGGACTACTAAACTTCAGAAATTATCTATTTCGAC	TACTCAATCCCGACGAACAAGAGTACCTATAACAAGTATCGGTACGCAGTTT
S R F G T P D D L K S L I D K A	H E L G L L V L M D I V H S H A S N
TAATACGTTGGATGGGCTGAACATGTTTGATGGTACGGATAGTCACTA	CTTCCACTCCGGATCACGGGGTCATCATTGGTTGTGGGACTCTCGCCTTTTC
ATTATGCAACCTACCCGACTTGTACAAACTACCATGCCTATCAGTGAT	GAAGGTGAGGCCTAGTGCCCCAGTAGTAACCAACACCCTGAGAGCGGAAAAG
NTLDGLNMFDGTDSHY	FHSGSRGHHWLWDSRLF
AACTATGGAAGCTGGGAGGTGCTAAGATTTETTCTTTCAAATGCAAGA	TGGTGGTTGGAAGAGTACAGGTTTGATGGTTTTAGATTTGATGGGGTGACTT
TTGATACCTTCGACCCTCCACGATTCTAAAGAAGAAAGTTTACGTTCT	ACCACCAACCTTCTCATGTCCAAACTACCAAAATCTAAACTACCCCACTGAA
N Y G S W E V L R F L L S N A R	WWLEEYRFDGFRFDGVT
Nco I	Sca I
CCATGATGTACACTCCCCATGGGTTGCAGGTAGCTTTTACTGGCAACT	ACAATGAGTACTTTGGATATGCAACTGATGTAGATGCTGTGATTTATTT
GGTACTACATGTGAGGGGTACCCAACGTCCATCGAAAATGACCGTTGA	TGTTACTCATGAAACCTATACGTTGACTACATCTACGACACTAAATAAA
S M M Y T P H G L Q V A F T G N	YNEYFGYATDVDAVIYLM
GCTTGTGAATGATATGATICACGGTCTTTTCCCTGAGGCTGTTACCAT	TGGTGAAGATGTTAGCGGAAAGCCAACATTTTGCATTCCAGTGGAAGATGGT
CGAACACTTACTATACTAAGTGCCAGAAAAGGGACTCCGACAATGGTA	ACCACTTCTACAATCGCCTTTCGGTTGTAAAACGTAAGGTCACCTTCTACCA
LVNDMIHGLFPEAVTI	G E D V S G K P T F C I P V E D G
GGTGTTGGATTTGATTACCGTCTCCACATGGCCATTGCCGATAAATGG	ATTGAGATTCTTAAGAAGAGAGAGATGAGGACTGGAAAATGGGTGACATTGTGC
	TAACTCTAAGAATTCTTCTCTCTACTCCTGACCTTTTACCCACTGTAACACG
G V G F D Y R L H M A I A D K W	I E I L K K R D E D W K M G _D I V
ATACACTCACCAACAGAAGGTGGTTGGAAAAATGTGTTGCTTATGCTG	AAAGTCATGACCAAGCTCTTGTTGGTGACAAAACTATTGCATTTTGGCTGAT
TATGTGAGTGGTTGTCTTCCACCAACCTTTTTACACAACGAATACGAC	TTTCAGTACTGGTTCGAGAACAACCACTGTTTTGATAACGTAAAACCGACTA
H T L T N R R W L E K C V A Y A	E S H D O A L V G D K T I A F W L M
	Bel I Neo I
	TCTTATAGATCGTGGAATAGCATTGCACAAAATGATCAGGCTTATTACCATG
	AGAATATCTAGCACCTTATEGTAACGTGTTTTACTAGTCCGAATAATGGTAC
DKDMYDFMARDRPSTP	LIDRGIAŁHKMIRLITM
GGCTTAGGCGGAGAAGGATATTTGAATTTTATGGGAAATGAATTTGGA	CATCCTGAGTGGATTGATTTTCCAAGAGGGGATCGACATCTGCCCAATGGTA
CCGAATCCGCCTCTTCCTATAAACTTAAAATACCCTTTACTTAAACCT	STAGGACTCACCTAAACTAAAAGGTTCTCCCCTAGCTGTAGACGGGTTACCAT
G L G G E G Y L N F M G N E F G	H P E W I D F P R G D R H L P N G

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Fig. 10 (Cont).	5-5-	
AAGTAATTCCAGGGAACAACCACAGTTATGATAAATGCCGTCGTAGATTTGATCTAGGT		Bcl I
TTCATTAAGGTCCCTTGTTGGTGTCAATACTATTTACGGCAGCATCTAAACTAGATCCA	CTACGTCTGATAGATTCTATAGTACCTTACCTTCTATAGTACCTTACCTTCTATAGTACCTTACCTTCTATAGTACCTTACCTTCTATAGTACCTTACCTTCTATAGTACCTTACCTTCTATAGTACCTTCTATAGTACCTTACCTTCTATAGTACCTTACCTTCTATAGTACCTTACCTTCTATAGTACCTTCTATAGTACCTTACCTTCTATAGTACCTTACCTTCTATAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTA	GA 1100
KVIPGNNHSYDKCRRFDLG	DADYLRYHGHOEF	_
TCAGGCAATGCAACATCTTGAAGAAGCCTATGGTTTCATGACTTCTGAGCACCAGTATA		D
AGTCCGTTACGTTGTAGAACTTCTTCGGATACCAAAGTACTGAAGACTCGTGGTCATAT	ATAGTGCCTTCCTACTTCCTCTAGCCTAGTAACAGAAAC	AG 1200 TC
0 A M O H I E E A V O E H Z O E II - I		E
AGGGGAAACCTTGTTTTTGTATTCAACTTTCATTGGACTAACAGCTATTCAGATTACCG	AGTTGGCTGCTTCAAGTCAGGAAAGTACAAGATTGTTTT	CC
TCCCCTTTGGAACAAAAACATAAGTTGAAAGTAACCTGATTGTCGATAAGTCTAATGGC	TCAACCGACGAAGTTCAGTCCTTTCATGTTCTAACAAAA	+ 1300 CC
R G N L V F V F N F H W T N S Y S D Y R	VGCFKSGKYKIVŁ	
ACTCGGATGATGGCTTGTTTGGAGGCTTCAACAGGCTTAGTCATGATGCCGAGCACTTC	ACCTTTGACGGGTGGTATGATAACCGGCCTCGGTCTTTC	A T
TGAGCCTACTACCGAACAAACCTCCGAAGTTGTCCGAATCAGTACTACGGCTCGTGAAG	GGAAACTGCCCACCATACTATTGGCCGGAGCCAGGAAG	→ 1400 TA
D S D D G L F G G F N R L S H D A E H F	T F D G W Y D N R P R S F	M
GGTATATGCACCATCTAGGACAGCAGTGGTCCATGCTTTAGTAGAAGATGAAGAGAATGA	AGCAGAGAATGAAGTAGAAAGTGAAGTGAAACCAGCCTC	cc
CCATATACGTGGTAGATCCTGTCGTCACCAGGTACGAAATCATCTTCTACTTCTTACT		
VYAPSRTAVVHALVEDEENE	. A E N E V E S E V K P A S	3
BamH I Hinc II		
GGCTGAGATAGATATTTAGTAAGAGGATCCCCTAAAGCAGGAATGGTTAACCTGTGCATC		
CCGACTCTATCTATAAATCATTCTCCTAGGGGATTTCGTCCTTACCAATTGGACACGTAG	ACGTAACTTGCTGCATATAACTCTGAACTTAACTAAACG	A
<b>G</b> .	=	
Ssp t Ns	il cil	
GCTCAGGACACAGAATATTAATTCCAAGGCTCAAGGCAGAGATACACGCCATAATGCATG	•	
CGAGTCCTGTGTCTTATAATTAAGGTTCCGAGTTCCGTCTCTATGTGCGGTATTACGTAC		
	- TOTAL TITLE TO THE TOTAL TOT	L
Sca I No	٥١	
CTGCGTGCACTCTGTAAATTATATGTAGTACTTTGGCAAGTCACGTTATTATGGATACCA	TGGATGTCCGCTAGGAAAAATTTTGTGTATACGCCTACT	A
GACGCACGTGAGACATTTAATATACATCATGAAACCGTTCAGTGCAATAATACCTATGGT	ACCTACAGGCGATCCTTTTTAAAACACATATGCGGATGA	+ 1800 T
	,Xmn I	
GGATTTTTAAATCTCGCATGTTCCACATAAAGTGGTGGTTGAATGTTGCGCGACTATTTT		
CCTAAAAATTTAGAGCGTACAAGGTGTATTTCACCACCAACTTACAACGCGCTGATAAAA	ACTCATTTTACTAACTTCAATAAGAAGTGAACCCGGACA	+ 1900 C
AAAAAAAAAAAAAAAA 1919		
TITITITITITITITI		



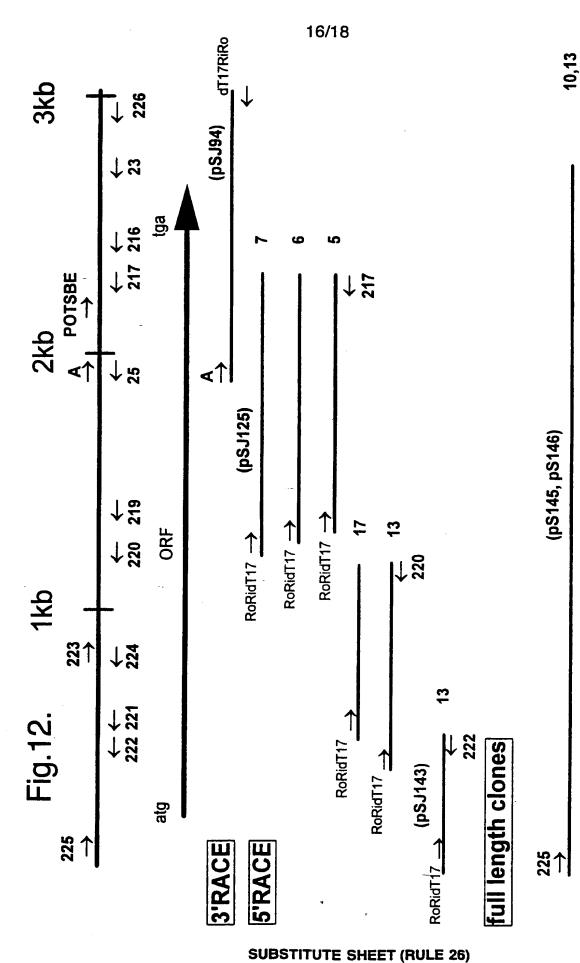
DSEYZOS | CZESO

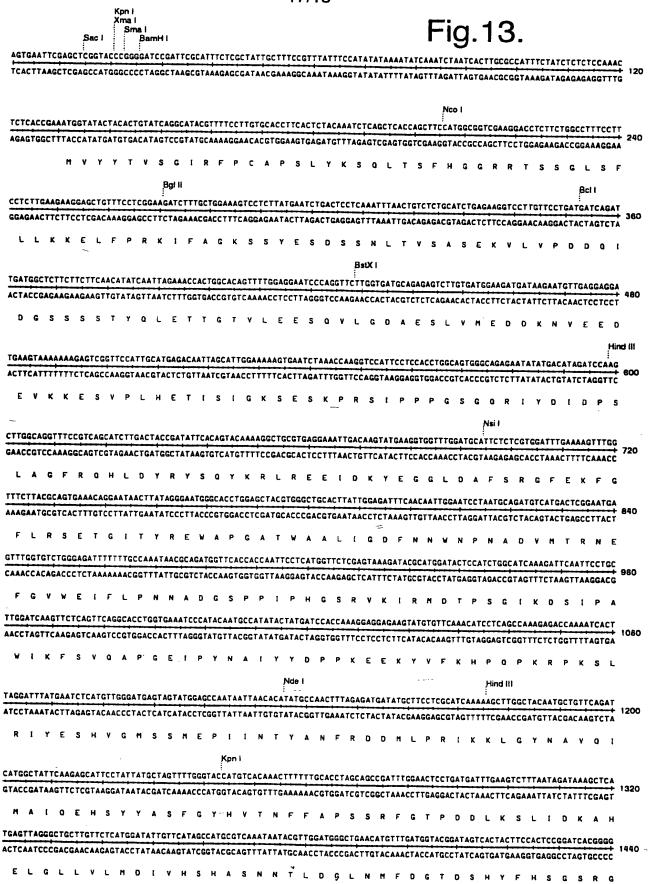
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### Fig.13 (Cont).

TC	TC	ATI		-						•		CAAC			•		GGA	\GG1	GC	TAA	GA1	rtte	TTC	TTT	CAA	ATG	- A A (	2476	·ot/	·C *1										ATT		
AGI	AG	TAA	ıcc	AAC	CAC	CCI	GA	GAG	CG	GAAA	÷	GTT	GAT	ACC	TTC	GAC	CCI	CCA	CG	ATT	CTA	AAG	AAG		CTT	TAC	TT	740	CAC			TO	GIA	CAG	GTT	TGA	TGG	<u> </u>	TAG	TAA	rga —	1560
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